

CLAIMS

1. ATM network, comprising a physical network (1) with different stations, wherein a stream of ATM cells is transferred from at least one source station (2) to a group of different destination stations (3...12) via a virtual transmission path between the source station and said different destination stations, which virtual transmission path is characterised by ATM cells to which a certain "virtual path identifier", VPI, has been assigned, characterised in that the virtual path (VPI₁) comprises various virtual connections, each characterised by ATM cells to which a certain "virtual connection identifier", VCI, has been assigned, in that furthermore the said group of destination stations is subdivided into various subgroups, and in that the destination stations, which detect the VPIs and the VCIs of the ATM cells appearing at those stations, accept only those ATM cells to which a VPI has been assigned equal to the VPI of the said virtual path of the group of destination stations and a VCI equal to the VCI of the virtual connection of the subgroup of destination stations.

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